PROCE SWITTER AND CROSS-OVERS-III

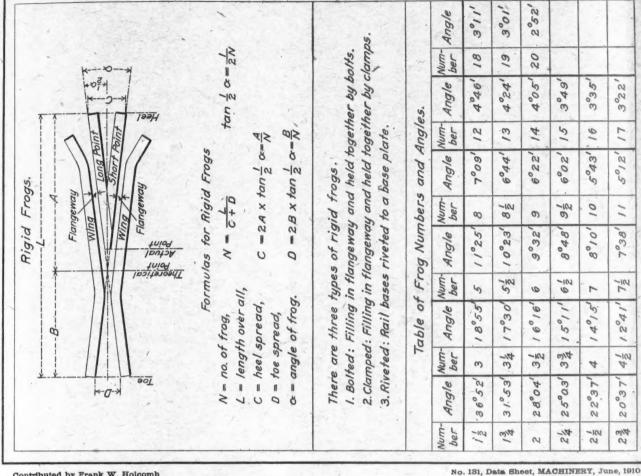
AND GROSS-OVERS-IV

## FROGS, SWITCHES AND CROSS-OVERS-I

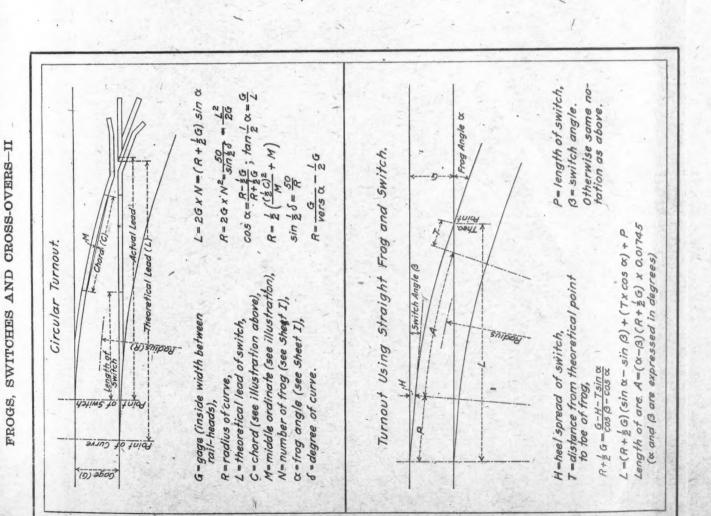
should be filed until the key nts the slot

provide the clearance C for the straight side.

iled and polisi



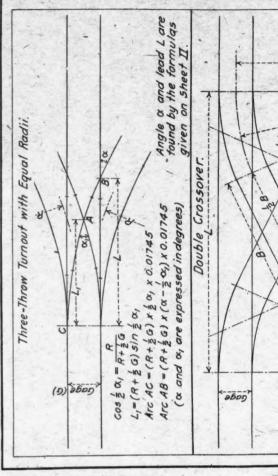
Contributed by Frank W. Holcomb



## MACHINERY, June, 1910

umber entitled "Trops, Switches and Cross-overs"

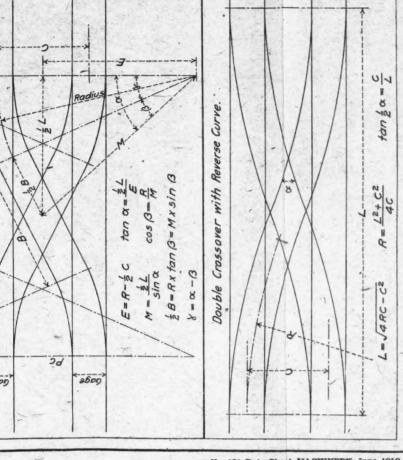
FROGS, SWITCHES AND CROSS-OVERS-III



Contributed by Frank W. Holcomb

18,81 10,2" 14,6" 16,91 16,50' 23'8" 20'6 Angle Theo. Gage 3'6" 17°58' 27,09' 250/31 41048 34,38, 29°38' 21012 19023' 45,54 38°57 36,36 32057 23,38 8,11" 17,33' 21'7" 11,01 12,11" 14,5" 20042' 18'3" 18,6 15,3" 10'4" Theo. 11,2" 16'4" 18'56' 20'0" 8,5" 1626' 23'1" Gage 3'4" Angle 35,28 26,32 29,00, 2304' 32012' 2437' 40.53' 38,05, 33051 44.25 1536, 21'11" ,01,6 15,0" 11,01 17'4" 8,6" 12'3" 13'5" 10,2" 14,6" 19,0" 16'39' 20'6" 9,5 1,8" Gage 3'0" Angle 19039' 23°24' 30,38 250131 210551 17.58' 360151 27,32 38,57 32012 34,03, 42,21 15,10" 14015' 20'0" 8,11,8 8'4" 11'2" 12'3" 13'3" 14'2" 17'4" 1,8" 9,6 18'8" 10,01 Gage 2'6" 17°58' 21024 150131 Angle 20,03 16.26' 35,46 33,16, 31014 23004 3857 29,32 28004 250/3' Radius, Feet 30 50. 80 70 12 01 35 09 14 20 25 40 91 18

FROGS, SWITCHES AND CROSS-OVERS-IV



No. 131, Data Sheet, MACHINERY, June, 1910

40/4	1355.9	113,0"	4,46,	12	40'0"	13,25'	1	170	18	25'8" 17
502'	1139.3'		50/21	11	2	13°50'	2.	160	10	24'3" 16
6.05'	941.6	34'2"	543,	10	37,1"	140,17	-	150 1	8" 150	150
645'	849.7	89'5"	6,05	92-	36'4"	1439'	1	140 14	1,0" 140	140
7,31,	762.6	84,3"	622	. 6	35,0"	15,50,	13	130 15	-	130
8,50,	680.3	80,0%	6.44	82	33,7"	15,21	15	120 15	120	0
9,31,	602.6'	75'4"	1,60,1	8	35,5%	,68	16,33,	110 163	110	0
10,20,	529.6	70,2%	7,38,	72	30'8"	1,	12,21	100 172	11. 001 "01	1001
12,27	461.3'	6511"	101,8	7	29'1"	2	18,55,	30 1802	90	0
14.26	397.8'	61'2"	8,48	62	27'5"	8	19°28	80 1902	80 1	10
16.58'	338.9	20,0%	9,35	0	25'8"	1,	20°47	70 2004	20	
20013'	284.8'	16,15	10,53,	52	23,8"	4	22,24	60 222	0 2	60 2
24,321	235.4'	47,1"	11,52,	5	21,8"	16	24,59,	50 242	50	0
30°24'	190.6	42,4"	12041	42	19,8"	2	27016	40 27016	40	40
38'46'	150.6	37,8"	14015'	4	16'10"	-	31018	30 31016		30
Degree . of Curve	Radius	Theo.	Angle	Number	Theo. Lead		Angle		Radius	
		8 4,8,5	Gage		1,5"	00	96 4	26	Gage	26
26'5"	5.04' 2	1	25,10	14,43	4,0,	S	1850	13%	22'4" 13°58'	2'4" 13°5
25,1"	5,23,		24,6	15,30,	3,3%	S	192	14'42'	21'3" 14'42'	1,3" 1
23,8"		1	23'1"	16,26"	1,11,1	2	,36,	15,36,	50,0" 15,36,	1 "0"
22,5"	7,58, 2	1	"1,12"	17033	,9,0	S	,680,	16,33,	18,8" 16,39'	1 "8
20,0%	3023' 2	-	20,0%	18.56	,0,6	-	,850,	17.5	17.5	7'4" 1705
18.8"	'n	217	183"	20,45	17,4"	1	,680	,68,61.	15,10" 19,39	5,10" 1